

PATENT ABSTRACTS

[your application? not Panasonic – same date]

5/5/4 (Item 4 from file: 350) [Links](#)

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0012951826 & *Drawing available*

WPI Acc no: 2003-028718/200302

XRPX Acc No: N2003-022570

Monitoring apparatus for e-mail transmission system, notifies transmitter Internet facsimile terminal through Internet, when monitoring server detects predetermined status of receiver Internet facsimile terminal

Patent Assignee: MATSUSHITA GRAPHIC COMMUNICATION SYSTEMS (MATY)

Inventor: WAKABAYASHI T

Patent Family (3 patents, 2 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20020120699	A1	20020829	US 2001995696	A	20011129	200302	B
JP 2002262049	A	20020913	JP 200151671	A	20010227	200302	E
JP 3488207	B2	20040119	JP 200151671	A	20010227	200410	E

Priority Applications (no., kind, date): JP 200151671 A 20010227

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 20020120699	A1	EN	26	18		
JP 2002262049	A	JA	14			
JP 3488207	B2	JA	14		Previously issued patent	JP 2002262049

Alerting Abstract US A1

NOVELTY - A monitoring server (3) monitors the receiver Internet facsimile (IFAX) terminal (4). A notification unit notifies the transmitter IFAX terminal (6) through the Internet (8), when the monitoring server detects a predetermined status of the receiver IFAX terminal.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1. Receiver terminal;
2. Transmitter terminal; and
3. Monitoring and notification method.

USE - For e-mail transmission system.

ADVANTAGE - Since sender IFAX terminal is notified about predetermined status of receiver IFAX terminal, the sender can confirm the status of the receiver terminal prior to transmission, and unnecessary transmission to receiver terminal is prevented.

DESCRIPTION OF DRAWINGS - The figure illustrates a computer network system.

3 Monitoring server

4 Receiver IFAX terminal

6 Transmitter IFAX terminal

5/5/5 (Item 5 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

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0010419614 & *Drawing available*

WPI Acc no: 2001-017899/200103

XRPX Acc No: N2001-013657

Image communication apparatus for providing G3 fax services over a network has data transmitting section that makes image to be suitable for capability of destination so as to transmit image to destination via Internet

Patent Assignee: MATSUSHITA GRAPHIC COMMUNICATION SYSTEMS (MATY); PANASONIC COMMUNICATIONS CO LTD (MATU)

Inventor: TOYODA K

Patent Family (10 patents, 28 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1041793	A2	20001004	EP 1999117785	A	19990909	200103	B
CA 2283067	A1	20000929	CA 2283067	A	19990909	200103	E
JP 2000287020	A	20001013	JP 199987214	A	19990329	200103	E
JP 3170491	B2	20010528	JP 199987214	A	19990329	200132	E
JP 2001251472	A	20010914	JP 199987214	A	19990329	200168	E
			JP 200112201	A	19990329		
US 6335966	B1	20020101	US 1999388198	A	19990901	200207	E
CA 2283067	C	20031202	CA 2283067	A	19990909	200381	E
EP 1041793	B1	20070425	EP 1999117785	A	19990909	200730	E
DE 69935902	E	20070606	DE 69935902	A	19990909	200741	E
			EP 1999117785	A	19990909		
DE 69935902	T2	20070830	DE 69935902	A	19990909	200758	E
			EP 1999117785	A	19990909		

Priority Applications (no., kind, date): JP 199987214 A 19990329; JP 200112201 A 19990329; EP 1999117785 A 19990909

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
EP 1041793	A2	EN	38	22		
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
CA 2283067	A1	EN				
JP 2000287020	A	JA	21			
JP 3170491	B2	JA	21		Previously issued patent	JP 2000287020
JP 2001251472	A	JA	19		Division of application	JP 199987214
CA 2283067	C	EN				
EP 1041793	B1	EN				
Regional Designated States,Original	DE FR GB					
DE 69935902	E	DE			Application	EP 1999117785
					Based on OPI patent	EP 1041793
DE 69935902	T2	DE			Application	EP 1999117785
					Based on OPI patent	EP 1041793

Alerting Abstract EP A2

NOVELTY - A capability obtaining device makes inquiry to the other server (14A,16) to obtain capability information in accordance with the other server when inquiry about capability which a destination possesses is made to one server (13A,14A) and the latter has no capability information of the destination. A

DESCRIPTION - INDEPENDENT CLAIMS are included for:

4. a server apparatus
5. a capability exchange method

USE - The present invention relates to an image communication apparatus, a server apparatus, and a capability exchanging method.

ADVANTAGE - The G3 facsimile apparatus can be carried out by an Internet facsimile apparatus.

DESCRIPTION OF DRAWINGS - The drawing shows a structure of a communication system according to a first embodiment of the present invention.

14A,16 server

13A server

11/5/1 (Item 1 from file: 347) [Links](#)

Fulltext available through: [Order File History](#)

JAPIO

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07023840 **Image available**

IMAGE COMMUNICATION APPARATUS

Pub. No.: 2001-251472 [JP 2001251472 A]

Published: September 14, 2001 (20010914)

Inventor: TOYODA KIYOSHI

Applicant: MATSUSHITA GRAPHIC COMMUNICATION SYSTEMS INC

Application No.: 2001-012201 [JP 200112201]

Division of 11-087214 [JP 9987214]

Filed: March 29, 1999 (19990329)

International Class: H04N-001/00; G06F-013/00; H04N-001/32

ABSTRACT

PROBLEM TO BE SOLVED: To enable a transmitting side terminal to reliably acquire the capability information of a destination terminal and allow an Internet facsimile machine to perform capability exchange equivalent to that of a G3 facsimile.

SOLUTION: This image communication apparatus 11A inquires of a server 13A capability held by the opposite party 14B and inquires of a DNS server 14A the capability information to acquire the capability information when the server 13A does not hold the capability information of the opposite party 14B. Then, the device 11A transmits an image to the opposite party 14B via the Internet by adapting to the capability of the opposite party 14B.

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11/5/2 (Item 1 from file: 350) [Links](#)

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0015881209 & *Drawing available*

WPI Acc no: 2006-412886/200642

XRPX Acc No: N2006-341884

Operation monitoring method of reprographic device, involves receiving request at reprographic operation monitoring system, when transmitted audio message indicates that reprographic operation is not successfully completed

Patent Assignee: XEROX CORP (XERO)

Inventor: KLOTZ L L

Patent Family (1 patents, 1 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 7057752	B1	20060606	US 1999459901	A	19991214	200642	B

Priority Applications (no., kind, date): US 1999459901 A 19991214

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 7057752	B1	EN	10	4	

Alerting Abstract US B1

NOVELTY - An audio message reflecting reprographic operation information is transmitted to a location, using location information in received request. Another request generated by audio input is received at reprographic operation monitoring system, when transmitted message indicates that reprographic operation is not successfully completed. The requested function is performed without additional input beyond request at the location.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

6. provision method of information reflecting completion of reprographic operation;
7. reprographic system;
8. reprographic device; and
9. provision method of information on status of facsimile transmission.

USE - For monitoring operation of reprographic device e.g. facsimile and networked scanner.

ADVANTAGE - The status information of reprographic operation is received efficiently by user.

DESCRIPTION OF DRAWINGS - The figure shows a flow diagram explaining the reprographic operation.

11/5/7 (Item 6 from file: 350) [Links](#)

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0010910069 & *Drawing available*

WPI Acc no: 2001-531221/200159

XRPX Acc No: N2001-394441

Communication terminal (network facsimile) device for transmitting E-mail over public network, creates output report data and delivery confirmation

Patent Assignee: RICOH KK (RICO)

Inventor: KAWAGUCHI T; WAKASUGI N

Patent Family (7 patents, 27 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1087578	A2	20010328	EP 2000308337	A	20000922	200159	B
JP 2001265675	A	20010928	JP 2000122891	A	20000424	200172	E
US 6823367	B1	20041123	US 2000665499	A	20000919	200477	E
EP 1087578	B1	20051207	EP 2000308337	A	20000922	200582	E
DE 60024551	E	20060112	DE 60024551	A	20000922	200619	E
			EP 2000308337	A	20000922		
ES 2253188	T3	20060601	EP 2000308337	A	20000922	200638	E
DE 60024551	T2	20060810	DE 60024551	A	20000922	200654	E
			EP 2000308337	A	20000922		

Priority Applications (no., kind, date): JP 1999271053 A 19990924; JP 1999295532 A 19991018; JP 20006475 A 20000114; JP 2000122891 A 20000424; EP 2000308337 A 20000922

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
EP 1087578	A2	EN	49	31		
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 2001265675	A	JA	36			
EP 1087578	B1	EN				
Regional Designated States,Original	DE ES FR GB IT NL					
DE 60024551	E	DE			Application	EP 2000308337
					Based on OPI patent	EP 1087578
ES 2253188	T3	ES			Application	EP 2000308337
					Based on OPI patent	EP 1087578
DE 60024551	T2	DE			Application	EP 2000308337
					Based on OPI patent	EP 1087578

Alerting Abstract EP A2

NOVELTY - E-mail sent from the facsimile device (NFA) by SMTP is transferred from the mail server (MSA) to server (MSB) and stored in a mailbox for facsimile device (NFB). The facsimile devices on receiving mail, accesses the servers respectively, checking for confirmation requests, when a confirmation or error is received the result is stored in communication management table.

DESCRIPTION - An INDEPENDENT claim is also included for a method for controlling a

communication terminal (network facsimile) device that transmits E-mail.

USE - For transmitting E-mail over public network.

ADVANTAGE - It provides delivery confirmation in facsimile application for sending E-mail enhancing communication management.

DESCRIPTION OF DRAWINGS - The figure shows block diagram of network system on a connection to a public network by facsimile device for sending E-mail.

11/5/9 (Item 8 from file: 350) [Links](#)

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0010315975 & *Drawing available*

WPI Acc no: 2000-630296/200061

Related WPI Acc No: 1999-339538; 2003-316113; 2003-405463

XRPX Acc No: N2000-467189

Centralized remote operation management system for computer network, outputs reset command depending on restoration ability result and initiates new reset operation, depending on restoration impossibility

Patent Assignee: RICOH KK (RICO)

Inventor: SUZUKI O

Patent Family (2 patents, 1 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 11184325	A	19990709	JP 1997351725	A	19971219	200061	B
JP 3493297	B2	20040203	JP 1997351725	A	19971219	200410	E

Priority Applications (no., kind, date): JP 1997285605 A 19971017

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
JP 11184325	A	JA	12	11		
JP 3493297	B2	JA	13		Previously issued patent	JP 11184325

Alerting Abstract JP A

NOVELTY - The failure restoration ability of copier (12), facsimile (13) and printer (14) connected to centralized controller (1) is recognized. When the restoration possibility is judged, reset command is output and accordingly failure is restored. When failure is not restored after resetting, the reset command is returned to controller to perform new reset operation.

DESCRIPTION - The reset command is forwarded to the relevant image forming apparatus through a public circuit network. The failure of each image forming apparatus is notified to the controller through cable or wireless interface. The operation of failed apparatus is restored, using the reset command. The condition of image forming apparatus, after restoration is monitored. When failure is again judged, the reset command is returned to controller and new reset operation is carried out.

USE - For centralized control of printer, copier, facsimile and other equipment in computer network.

ADVANTAGE - Reduces labor and minimizes recovery time, by automatic restoration of failure.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of centralized remote operation management system.

1 Centralized controller

12 Copier

13 Facsimile

14 Printer

11/5/10 (Item 9 from file: 350) [Links](#)

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0010113779 & *Drawing available*

WPI Acc no: 2000-421301/200036

XRPX Acc No: N2000-314196

Selective fax router using Internet, checks whether facsimile machine is subscribed to Internet and accordingly transmits fax message to destination via Internet

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: BRAMNICK A H; DUNN J M

Patent Family (1 patents, 1 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6058169	A	20000502	US 1997907803	A	19970808	200036	B

Priority Applications (no., kind, date): US 1997907803 A 19970808

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 6058169	A	EN	15	8	

Alerting Abstract US A

NOVELTY - When a management unit (5) detects subscription of fax from a facsimile (1) to Internet connection, the facsimile is asked to complete its fax transmission without enabling connection with destination (3). Fax is then stored in the management unit and completion message is sent to facsimile. During forwarding, the device converts the stored message into a digital format and transfers it to the Internet.

USE - For routing fax message through Internet or PSTN after determining subscription status of facsimile.

ADVANTAGE - The cost of the service is less than the comparable cost of standard handling, due to usage of Internet. Users need not to be bothered having to repeat either calls to busy destinations or calls aborted prematurely due to faulty operations in the PSTN. The fax communication could be handled more efficiently than standard telephone fax communication.

DESCRIPTION OF DRAWINGS - The figure shows explanatory drawing of fax routing system.

1 Facsimile

3 Destination

5 Fax management device

11/5/11 (Item 10 from file: 350) [Links](#)

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Derwent WPIX

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0009998317 & *Drawing available*

WPI Acc no: 2000-301911/200026

XRPX Acc No: N2000-225479

Facsimile apparatus and method of data transmission uses a digital/analog network detector and smart POPs enabling routing over a packet digital network prior to being sent via an analog line to the destination facsimile

Patent Assignee: NKO INC (NKON-N)

Inventor: COPP D W; LEE W S; MEADOW W D

Patent Family (1 patents, 1 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5999274	A	19991207	US 1996649237	A	19960517	200026	B

Priority Applications (no., kind, date): US 1996649237 A 19960517

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 5999274	A	EN	19	7	

Alerting Abstract US A

NOVELTY - The facsimile system comprises a number monitor (20) for an area being dialled by the fax device, determining whether the number is local or long distance and whether the area is serviced by a digital network. A data receiver with an interface by which a user gains access to the digital data network via local area networks (LANs) controls modem communication. Dependent on the number monitor determination, a first POP (point of presence) (24) receives the facsimile transmission and converts the rasterized data into packets which are sent over the digital network one packet at a time to a second POP (26). The second POP receives packets over the digital network and converts them using G3 protocol to be sent over an analog line to a destination fax (11).

USE - Transmitting facsimile data in realtime over a digital data network or an analog network.

ADVANTAGE - Provides low cost transmission of facsimile data. Transmissions are routed over a digital network automatically without customer intervention.

DESCRIPTION OF DRAWINGS - The figure shows a simplistic schematic highlighting the system setup.

11 Destination facsimile

24,26 POPs

11/5/12 (Item 11 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

Derwent WPIX

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0009603654 & & *Drawing available*

WPI Acc no: 1999-552955/199947

Related WPI Acc No: 2008-H98657

XRPX Acc No: N1999-409355

Apparatus for Internet facsimile comprises reading image, converting to image file transmitting, converting into image, and printing, using message disposition notification

Patent Assignee: CANON KK (CANO)

Inventor: MAEDA T

Patent Family (5 patents, 28 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 942580	A2	19990915	EP 1999104606	A	19990308	199947	B
JP 11261628	A	19990924	JP 199857253	A	19980309	199951	E
CN 1240319	A	20000105	CN 1999103937	A	19990309	200021	E
US 6437873	B1	20020820	US 1999263860	A	19990308	200257	E
EP 1950944	A1	20080730	EP 1999104606	A	19990308	200852	E
			EP 2008154622	A	19990308		

Priority Applications (no., kind, date): JP 199857253 A 19980309

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
EP 942580	A2	EN	19	9		
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 11261628	A	JA	12			
EP 1950944	A1	EN			Division of application	EP 1999104606
					Division of patent	EP 942580
Regional Designated States,Original	DE FR GB IT					

Alerting Abstract EP A2

NOVELTY - Apparatus reads the image, converts it into an image file, transmits it by SMTP, receives it, converts it into an image, prints it and verifies reception. The capability inquiry uses an mdn (message disposition notification) message format and the message format is G3FAX T30 protocol.

DESCRIPTION - There are INDEPENDENT CLAIMS for (1) controlling a network system with an Internet facsimile apparatus, (2) a control program store and (3) a communication apparatus.

USE - Apparatus is for transmitting and receiving images by Internet fax.

ADVANTAGE - Apparatus overcomes the problems of the system being unable to detect the communication partner Internet fax capability, images transmitted in simple mode being restricted to A4, 200 dpi and MH, and inability to detect whether the receiver has received and printed out the image.

DESCRIPTION OF DRAWINGS - The figure shows image communication using the apparatus.

11/5/21 (Item 20 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

Derwent WPIX

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0007037977 & & *Drawing available*

WPI Acc no: 1995-056446/199508

XRPX Acc No: N1995-044618

Remote circuit monitoring appts for facsimile - is installed on communications network for monitoring state of facsimile signal on network during transmission, and records result along with transmission time

Patent Assignee: RICOH KK (RICO)

Inventor: MIURA Y

Patent Family (1 patents, 1 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 6334829	A	19941202	JP 1993141446	A	19930520	199508	B

Priority Applications (no., kind, date): JP 1993141446 A 19930520

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 6334829	A	JA	11	9	

Title Terms /Index Terms/Additional Words: REMOTE; CIRCUIT; MONITOR; APPARATUS; FACSIMILE; INSTALLATION; COMMUNICATE; NETWORK; STATE; SIGNAL; TRANSMISSION; RECORD; RESULT; TIME

11/5/22 (Item 21 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

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0006490258

WPI Acc no: 1993-296781/199338

XRPX Acc No: N1993-228758

Monitoring appts. for non-intrusive network based analysis of facsimile transmissions - determines selected parameters of identified facsimile transmissions on inbound and outbound trunks and communicates result via subscriber interface

Patent Assignee: AMERICAN TELEPHONE & TELEGRAPH CO (AMTT); AT & T CORP (AMTT)

Inventor: FULLER R C; GOEDDEL T W; HEICK; HEICK R B; HERZLINGER M; KRISHNAMURTHY S

Patent Family (12 patents, 6 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 561498	A2	19930922	EP 1993300999	A	19930211	199338	B
AU 199332184	A	19930826	AU 199332184	A	19930202	199341	E
CA 2084146	A	19930822	CA 2084146	A	19921130	199346	E
AU 646987	B	19940310	AU 199332184	A	19930202	199415	E
JP 6085991	A	19940325	JP 199329507	A	19930219	199417	E
EP 561498	A3	19940105	EP 1993300999	A	19930211	199516	E
US 5490199	A	19960206	US 1992839972	A	19920221	199612	E
CA 2084146	C	19990504	CA 2084146	A	19921130	199936	E
PH 29880	A	19960909	PH 199345754	A	19930219	200007	E
EP 561498	B1	20020403	EP 1993300999	A	19930211	200230	E
DE 69331773	E	20020508	DE 69331773	A	19930211	200238	E
			EP 1993300999	A	19930211		
JP 3300452	B2	20020708	JP 199329507	A	19930219	200247	E

Priority Applications (no., kind, date): US 1992839972 A 19920221; EP 1993300999 A 19930211

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
EP 561498	A2	EN	42	24		
Regional Designated States,Original	DE FR GB					
CA 2084146	A	EN				
AU 646987	B	EN			Previously issued patent	AU 9332184
JP 6085991	A	JA	34			
EP 561498	A3	EN				
US 5490199	A	EN	38	24		
CA 2084146	C	EN				
PH 29880	A	EN				
EP 561498	B1	EN				
Regional Designated States,Original	DE FR GB					
DE 69331773	E	DE			Application	EP 1993300999
					Based on OPI patent	EP 561498
JP 3300452	B2	JA	34		Previously issued patent	JP 06085991

Alerting Abstract EP A2

The appts. for monitoring facsimile transmissions as they occur in real-time, has a circuit responsive to some or all communications traffic on selected trunks of a telephone exchange switching system for identifying facsimile transmissions on the selected trunks. A circuit non-intrusively measures selected parameters of the identified facsimile transmissions for determining impairments of the facsimile transmissions.

A user interface communicates impairments of the facsimile transmissions to a subscriber. The measured parameters may be protocol signals or page signals. The appts. may also automatically classify signals appearing on the trunks and detect echo signals on them.

ADVANTAGE - Can properly analyse actual facsimile transmissions in public switched network.

11/5/26 (Item 25 from file: 350) [Links](#)

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0005434789 & *Drawing available*

WPI Acc no: 1991-034198/199105

XRPX Acc No: N1991-026392; N1994-249196

Facsimile equipment with monitoring function - monitors D channel signal on ISDN line to detect communication condition

Patent Assignee: CANON KK (CANO)

Inventor: KANEKO Y

Patent Family (2 patents, 2 & countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 2305137	A	19901218	JP 1989125878	A	19890519	199105	B
US 5355230	A	19941011	US 1990524493	A	19900517	199440	ETAB
			US 199358789	A	19930510		

Priority Applications (no., kind, date): JP 1989125878 A 19890519

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 5355230	A	EN	21	11	Continuation of application	US 1990524493

Alerting Abstract US A

The system has two facsimiles connected to an inside bus of an integrated services digital network, ISDN. The first facsimile monitors a signal on the inside bus of the ISDN, determines whether or not the monitored signal is an announcement of interruption from the second facsimile apparatus on the bus and performs substituting reception in place of the second facsimile apparatus when it is determined that the signal is an announcement of interruption, enabling reception of the data from the ISDN which was interrupted by the second facsimile. The announcement of interruption is a signal indicative of interruption of reception of data from the ISDN by the second facsimile apparatus output during the reception of the data from the ISDN.

The first facsimile determines whether or not an abnormality has occurred in the first facsimile apparatus during the substituting reception, and issues an announcement of interruption onto the bus when an abnormality has occurred.

ADVANTAGE - Maintains continuation of communication even if trouble has occurred during reception and recording.

FULL-TEXT PATENTS

5/3K/3 (Item 3 from file: 348) [Links](#)

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EUROPEAN PATENTS

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01198190

Image communication apparatus, server apparatus, and capability exchanging method
Bildübertragungsgerät, Server, und Verfahren zum Austausch von Kommunikationsfähigkeiten
Appareil pour la communication d'images, serveur, et procede pour l'echange de fonctions de communication

Patent Assignee:

10. MATSUSHITA GRAPHIC COMMUNICATION SYSTEMS, INC.; (443933)
3-8, Shimomeguro 2-chome.; Meguro-ku Tokyo 153-8687; (JP)
(Applicant designated States: all)

Inventor:

11. Toyoda, Kiyoshi
1-10-31, Kita; Kunitachi-shi, Tokyo 186-0001; (JP)

Legal Representative:

12. Grunecker, Kinkeldey, Stockmair & Schwanhauser Anwaltssozietat (100721)
Maximilianstrasse 58; 80538 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	1041808	A2	20001004	(Basic)
	EP	1041808	A3	20010117	
Application	EP	99117824		19990909	
Priorities	JP	9988236		19990330	

Designated States:

DE; FR; GB;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): H04N-001/00Abstract Word Count: 131

NOTE: 1

NOTE: Figure number on first page: 1

Type	Pub. Date	Kind	Text
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Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	200040	679
SPEC A	(English)	200040	10302
Total Word Count (Document A) 10981			
Total Word Count (Document B) 0			
Total Word Count (All Documents) 10981			

Specification: ...a flowchart showing a case in which the server 13A provides capability information. After the server 13A receives inquiry about capability information from the IFAX 11A (ST1201). The server 13A searches the capability exchange table 50 for capability information using...14 is a flowchart showing a schematic operation of the DNS server 14A. The DNS server 14A receives inquiry about capability, which the IFAX 11B possesses, from the IFAX 11A belonging to the zone A (LAN 10A)(ST1401). The... ...the table of FIG. 6 is the host name included in the mail address of IFAX 11B. Namely, capability information of IFAX11B is described in the FAX record corresponding to ifax1.

In a case where the DNS server 14B receives inquiry about IFAX 11B from the DNS server 14A, capability information is extracted from the FX...same system, inquiry about capability information to the DNS server 14A was performed without making inquiry to the server 13A. Therefore, IFAX 11A can obtain capability information with efficiency.

According to the above-mentioned embodiment, the server first obtaining capability information... ...in which the mail address is newly registered to the DNS server 14A, and obtains capability information (ST1605).

When IFAX 11A receives desired capability information from the DNS server inquired, the capability information is registered to the server 13A (ST1606). As a result, obtained capability...of capability information can be reduced, and the need for mounting the external registration function on IFAX 11A can be eliminated.

As a server to which the server 13A makes inquiry about capability, one or a plurality of servers other than DNS server may exist. If...

5/3K/4 (Item 4 from file: 348) [Links](#)

Fulltext available through: [Order File History](#)

EUROPEAN PATENTS

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01198189

Image communication apparatus, server apparatus, and capability exchanging method

Bildkommunikationsgerät, Server, und Verfahren zum Austausch von Fähigkeiten

Appareillage de transmission d'image, dispositif de serveur, et methode pour s'echanger des fonctionalites

Patent Assignee:

13. Panasonic Communications Co., Ltd.; (4451320)

4-1-62, Minoshima, Hakata-ku; Fukuoka-shi, Fukuoka 812-8531; (JP)

(Proprietor designated states: all)

Inventor:

14. Toyoda, Kiyoshi

1-10-31, Kita; Kunitachi-shi, Tokyo 186-0001; (JP)

Legal Representative:

15. Grunecker, Kinkeldey, Stockmair & Schwanhauser Anwaltssozietat (100721)

Maximilianstrasse 58; 80538 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	1041793	A2	20001004	(Basic)
	EP	1041793	A3	20030611	
	EP	1041793	B1	20070425	
Application	EP	99117785		19990909	
Priorities	JP	9987214		19990329	

Designated States:

DE; FR; GB;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): H04L-029/06; H04L-012/24; H04L-012/58

IPC	Level	Value	Position	Status	Version	Action	Source	Office
H04L-0029/06	A	I	F	B	20060101	20000708	H	EP
H04L-0012/24	A	I	L	B	20060101	20030423	H	EP
H04L-0012/58	A	I	L	B	20060101	20030423	H	EP

Abstract ...When the local server 13A has no capability information of the destination, the Internet facsimile apparatus 11A makes inquiry to a DNS server 14A and obtains capability information. Then, the Internet facsimile apparatus 11A makes an image to be suitable for the capability of the destination and ...

Abstract Word Count: 134

NOTE: 1

NOTE: Figure number on first page: 1

Type	Pub. Date	Kind	Text
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Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200040	1475
SPEC A	(English)	200040	10187
CLAIMS B	(English)	200717	1148
CLAIMS B	(German)	200717	1028
CLAIMS B	(French)	200717	1321
SPEC B	(English)	200717	10250
Total Word Count (Document A) 11664			
Total Word Count (Document B) 13747			
Total Word Count (All Documents) 25411			

Specification: ...a flowchart showing a case in which the server 13A provides capability information. After the server 13A receives inquiry about capability information from the IFAX 11A (ST1201). The server 13A searches the capability exchange table 50 for capability information using... ..14 is a flowchart showing a schematic operation of the DNS server 14A. The DNS server 14A receives inquiry about capability, which the IFAX 11B possesses, from the IFAX 11A belonging to the zone A (LAN 10A)(ST1401). The... ..the table of FIG. 6 is the host name included in the mail address of IFAX 11B. Namely, capability information of IFAX11B is described in the FAX record corresponding to ifax1.

In a case where the DNS server 14B receives inquiry about IFAX 11B from the DNS server 14A, capability information is extracted from the FX... ..same system, inquiry about capability information to the DNS server 14A was performed without making inquiry to the server 13A. Therefore, IFAX 11A can obtain capability information with efficiency.

According to the above-mentioned embodiment, the server first obtaining capability information... ..in which the mail address is newly registered to the DNS server 14A, and obtains capability information (ST1605).

When IFAX 11A receives desired capability information from the DNS server inquired, the capability information is registered to the server 13A (ST1606). As a result, obtained capability...

Specification: ...a flowchart showing a case in which the server 13A provides capability information. After the server 13A receives inquiry about capability information from the IFAX 11A (ST1201). The server 13A searches the capability exchange table 50 for capability information using... ..14 is a flowchart showing a schematic operation of the DNS server 14A. The DNS server 14A receives inquiry about capability, which the IFAX 11B possesses, from the IFAX 11A belonging to the zone A (LAN 10A)(ST1401). The... ..the table of FIG. 6 is the host name included in the mail address of IFAX 11B. Namely, capability information of IFAX11B is described in the FAX record corresponding to ifax1.

In a case where the DNS server 14B receives inquiry about IFAX 11B from the DNS server 14A, capability information is extracted from the FX... ..same system, inquiry about capability information to the DNS server 14A was performed without making inquiry to the server 13A. Therefore, IFAX 11A can obtain capability information with efficiency.

According to the above-mentioned embodiment, the server first obtaining capability information... ..in which the mail address is newly registered to the DNS server 14A, and obtains capability information (ST1605).

When IFAX 11A receives desired capability information from the DNS server inquired, the capability information is registered to the server 13A (ST1606). As a result, obtained capability...

5/3K/5 (Item 5 from file: 348) [Links](#)

Fulltext available through: [Order File History](#)

EUROPEAN PATENTS

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01070518

Internet facsimile apparatus, network system having the same, and method of controlling the same

Internet-Faksimile-Gerat mit dazugehorendem Netzwerk und Steuersystem

Dispositif de telecopie pour internet avec reseau approprie et systeme de controle

Patent Assignee:

16. CANON KABUSHIKI KAISHA; (542361)

30-2, 3-chome, Shimomaruko, Ohta-ku; Tokyo; (JP)

(Applicant designated States: all)

Inventor:

17. Maeda, Toru, c/o Canon Kabushiki Kaisha

30-2, Shimomaruko, 3-chome, Ohta-ku; Tokyo; (JP)

Legal Representative:

18. TBK-Patent (102382)

Bavariaring 4-6; 80336 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	942580	A2	19990915	(Basic)
	EP	942580	A3	20010228	
Application	EP	99104606		19990308	
Priorities	JP	9857253		19980309	

Designated States:

DE; FR; GB; IT;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): H04N-001/00Abstract ...an Internet FAX apparatus having an Internet FAX function capable of transmission with an optimum Internet FAX receiving capability requiring no communication charge, a network system including the apparatus, and a method of controlling the apparatus. The Internet FAX apparatus of this invention inquires a receiving apparatus of its receiving capability by the SMTP protocol before transmitting an image file, and receives...

Abstract Word Count: 133

NOTE: 1

NOTE: Figure number on first page: 1

Type	Pub. Date	Kind	Text
------	-----------	------	------

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9937	1248
SPEC A	(English)	9937	3680
Total Word Count (Document A) 4928			
Total Word Count (Document B) 0			

Specification: ...mdn (message disposition notification) message format of the SMTP protocol, and a header storing the Internet FAX receiving capability of the Internet FAX apparatus of the present invention is formed. This Internet FAX apparatus comprises (1) means for transmitting an mdn request which inquires a receiving apparatus of its Internet FAX receiving capability before transmission of an Internet FAX image message, (2) means for notifying a transmitting apparatus...an Internet FAX apparatus having an Internet FAX function capable of transmission with an optimum Internet FAX receiving capability requiring no communication charge, a network system including the apparatus, and a method of controlling the apparatus. The Internet FAX apparatus of this invention inquires a receiving apparatus of its receiving capability by the SMTP protocol before transmitting an image file, and receives...

Claims: ...the received image file into an image;

means for printing the converted image;

means for inquiring another apparatus of a receiving capability thereof by the SMTP protocol; and

means for informing another apparatus of a receiving capability of said Internet facsimile apparatus by the SMTP protocol,

wherein said receiving capability inquiring means inquires a receiving apparatus of a receiving capability thereof before transmission of an image file, a response of the... ...the SMTP protocol;

converting the received image file into an image;

printing the converted image;

inquiring another apparatus of a receiving capability thereof by the SMTP protocol; and

informing another apparatus of a receiving capability of said Internet facsimile apparatus by the SMTP protocol,

wherein the receiving capability inquiring step inquires a receiving apparatus of receiving capability thereof before transmission of an image file, a response of the receiving... ...the received image file into an image;

means for printing the converted image;

means for inquiring another apparatus of a receiving capability thereof by the SMTP protocol; and

means for informing another apparatus of a receiving capability of said Internet facsimile apparatus by the SMTP protocol,

said receiving capability inquiring means inquires a receiving apparatus of a receiving capability thereof before transmission of an image file, a response of the... ...the SMTP protocol;

converting the received image file into an image;

printing the converted image;

inquiring another apparatus of a receiving capability thereof by the SMTP protocol; and

informing another apparatus of a receiving capability of said Internet facsimile apparatus by the SMTP protocol,

wherein the receiving capability inquiring step inquires a receiving apparatus of receiving capability thereof before transmission of an image file, a response of the receiving... ...the SMTP protocol;

converting the received image file into an image;

printing the converted image;

inquiring another apparatus of a receiving capability thereof by the SMTP protocol; and

informing another apparatus of a receiving capability of said Internet facsimile apparatus by the SMTP protocol,

wherein the receiving capability inquiring step inquires a receiving apparatus of receiving capability thereof before transmission of an image file, a response of the receiving...

12/3K/6 (Item 6 from file: 348) [Links](#)

Fulltext available through: [Order File History](#)

EUROPEAN PATENTS

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01230957

Electronic mail terminal device and method of controlling the same

Elektronisches Postendgerät und Verfahren zur Steuerung desselben

Dispositif terminal de courrier electronique et procede de commande de celui-la

Patent Assignee:

19. Ricoh Company, Ltd.; (209037)

3-6, Nakamagome 1-chome, Ohta-ku; Tokyo 143-8555; (JP)

(Applicant designated States: all)

Inventor:

20. Fujii, Takanori

7-40-205, Motohashimoto, Sagamihara-shi; Kanagawa; (JP)

21. Katsuragi, Shigeru

1-1-7-406, Tsutsumi; Chigasaki-shi, Kanagawa; (JP)

Legal Representative:

22. Senior, Alan Murray (35712)

J.A. KEMP & CO., 14 South Square, Gray's Inn; London WC1R 5JJ; (GB)

	Country	Number	Kind	Date	
Patent	EP	1067753	A2	20010110	(Basic)
	EP	1067753	A3	20020904	
Application	EP	2000305737		20000707	
Priorities	JP	99194746		19990708	
	JP	99271054		19990924	

Designated States:

DE; ES; FR; GB; IT; NL;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): H04N-001/00Abstract Word Count: 68

NOTE: 1

NOTE: Figure number on first page: 1

Type	Pub. Date	Kind	Text
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Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200102	3907
SPEC A	(English)	200102	13264
Total Word Count (Document A) 17171			
Total Word Count (Document B) 0			

Specification: ...end.

FIG. 9 is a flowchart of an example process performed by the local area network unit LU when the timer 24 activates the local area network unit LU.

First, the local area network unit LU communicates with the mail server SM, and inquires whether or not any electronic mail addressed to the network facsimile device FX is stored in step 401. If there is some electronic mail addressed to the network facsimile device FX ("YES" in step 402), it is determined whether or not the facsimile unit...DU calls the Internet service provider ISP, and makes a dial-up access to the Internet INET in step 601. The dial-up unit DU is thus connected to the mail server SMa, and inquires whether or not any electronic mail addressed to the network facsimile device FXa is stored in step 602. If there is some electronic mail addressed to the network facsimile device FXa ("YES" in step 603), it is determined whether or not the facsimile unit...end.

FIG. 17 is a flowchart of an example process performed by the local area network unit LU when the timer 24 activates the local area network unit LU.

First, the local area network unit LU makes an access to the mail server SM, and inquires whether or not any electronic mail addressed to the network facsimile device FX is stored in step 901. If there is some electronic mail addressed to the network facsimile device FX ("YES" in step 902), it is determined whether or not the facsimile unit...34 activates the dial-up unit DU.

First, the dial-up unit DU calls the Internet service provider ISP, and makes a dial-up access to the Internet INET in step 1100. The dial-up unit DU then communicates with the mail server SMa, and inquires whether or not any electronic mail addressed to the network facsimile device FXa is stored in step 1101. If there is some electronic mail addressed to the network facsimile device FXa ("YES" in step 1102), it is determined whether or not the facsimile unit...22 and 23 are a flowchart of an example process performed by the local area network unit LU when the timer 24 activates the local area network unit LU.

First, the local area network unit LU makes an access to the mail server SM to inquire whether or not any electronic mail addressed to the network facsimile device FX is stored in step 1201. If there is electronic mail addressed to the network facsimile device FX ("YES" in step 1202), an increment flag for specifying the operation mode for...DU calls the Internet service provider ISP, and makes a dial-up access to the Internet INET in step 1300. The dial-up unit DU then makes an access to the mail server SMa to inquire whether or not any electronic mail addressed to the network facsimile device FXa is stored in step 1301. If there is electronic mail addressed to the...

12/3K/7 (Item 7 from file: 348) [Links](#)

Fulltext available through: [Order File History](#)

EUROPEAN PATENTS

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01198191

E-mail/facsimile communication apparatus and method

Gerat und Verfahren fur Facsimile- und elektronische Post-Ubertragung

Dispositif et procede de communication de facsimile et courier electronique

Patent Assignee:

23. Panasonic Communications Co., Ltd.; (4451320)

4-1-62, Minoshima, Hakata-ku; Fukuoka-shi, Fukuoka 812-8531; (JP)

(Proprietor designated states: all)

Inventor:

24. Akimoto, Masao

2-4-2-206, Fujimidai; Kunitachi-shi, Tokyo 186-0003; (JP)

Legal Representative:

25. Grunecker, Kinkeldey, Stockmair & Schwanhauser Anwaltssozietat (100721)

Maximilianstrasse 58; 80538 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	1041778	A2	20001004	(Basic)
	EP	1041778	A3	20031029	
	EP	1041778	B1	20061115	
Application	EP	99117825		19990909	
Priorities	JP	9987976		19990330	

Designated States:

DE; FR; GB;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): H04L-012/58; H04L-029/06; H04N-001/00

IPC	Level	Value	Position	Status	Version	Action	Source	Office
H04L-0012/58	A	I	F	B	20060101	20000715	H	EP
H04L-0029/06	A	I	L	B	20060101	20000715	H	EP
H04N-0001/00	A	I	L	B	20060101	20000715	H	EP

Abstract Word Count: 126

NOTE: 3

NOTE: Figure number on first page: 3

Type	Pub. Date	Kind	Text
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Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200040	600
SPEC A	(English)	200040	4832

CLAIMS B	(English)	200646	248
CLAIMS B	(German)	200646	213
CLAIMS B	(French)	200646	301
SPEC B	(English)	200646	4845
Total Word Count (Document A) 5433			
Total Word Count (Document B) 5607			
Total Word Count (All Documents) 11040			

Specification: ...is stored in a secondary storage apparatus for a mail server 103 provided on the Internet 102. An image communication apparatus (Internet facsimile apparatus: IFAX) 105, serving as a recipient terminal, makes an inquiry to the mail server 103. If there is an e-mail arrived in the mail server 103 (hereinafter referred to as incoming mail), IFAX 105 receives the incoming mail from the mail server 103.

The mail server 103 comprises...

Specification: ...is stored in a secondary storage apparatus for a mail server 103 provided on the Internet 102. An image communication apparatus (Internet facsimile apparatus: IFAX) 105, serving as a recipient terminal, makes an inquiry to the mail server 103. If there is an e-mail arrived in the mail server 103 (hereinafter referred to as incoming mail), IFAX 105 receives the incoming mail from the mail server 103.

The mail server 103 comprises...

12/3K/9 (Item 9 from file: 348) [Links](#)

Fulltext available through: [Order File History](#)

EUROPEAN PATENTS

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01172475

Server apparatus and capability information registration method

Server und Verfahren zur Registrierung der Fahigkeitsinformationen

Serveur et procede pour l'enregistrement d'informations de capacites

Patent Assignee:

26. Panasonic Communications Co., Ltd.; (4451320)

4-1-62, Minoshima, Hakata-ku, Fukuoka-shi, Fukuoka 812-8531; (JP)

(Proprietor designated states: all)

Inventor:

27. Ida, Yoshihiro

151, Minamihirano, Iwatsuki-shi, Saitama 339-0051; (JP)

28. Bando, Tatsuo

2-20-4, Nishikubo, Musashino-shi, Tokyo 180-0013; (JP)

Legal Representative:

29. Grunecker, Kinkeldey, Stockmair & Schwanhauser Anwaltssozietat (100721)

Maximilianstrasse 58; 80538 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	1022894	A2	20000726	(Basic)
	EP	1022894	A3	20010124	
	EP	1022894	B1	20060426	
Application	EP	99112821		19990702	
Priorities	JP	9915760		19990125	

Designated States:

DE; FR; GB;

Extended Designated States:

AL; LT; LV; MK; RO; SI;

International Patent Class (V7): H04N-001/00

IPC	Level	Value	Position	Status	Version	Action	Source	Office
H04N-0001/00	A	I	F	B	20060101	20000421	H	EP

Abstract Word Count: 125

NOTE: 3

NOTE: Figure number on first page: 3

Type	Pub. Date	Kind	Text
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Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200030	1229

SPEC A	(English)	200030	4866
CLAIMS B	(English)	200617	318
CLAIMS B	(German)	200617	277
CLAIMS B	(French)	200617	374
SPEC B	(English)	200617	4229
Total Word Count (Document A) 6097			
Total Word Count (Document B) 5198			
Total Word Count (All Documents) 11295			

Specification: ...increase in the volume of the image file after conversion is forecast. However, the mail server 1 checks the volume of E-mail after the image file conversion. Then, when the volume of IFAX mail is more than the default value and the recipient' internet FAX cannot carry out the reception, the E-mail is transferred to the other server and...

Specification: ...increase in the volume of the image file after conversion is forecast. However, the mail server 1 checks the volume of E-mail after the image file conversion. Then, when the volume of IFAX mail is more than the default value and the recipient' internet FAX cannot carry out the reception, the E-mail is transferred to the other server and...

12/3K/10 (Item 10 from file: 348) [Links](#)

Fulltext available through: [Order File History](#)

EUROPEAN PATENTS

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01112608

INTERNET, FACSIMILE, AND ELECTRONIC MAIL COMMUNICATION METHOD
VERFAHREN ZUR KOMMUNIKATION UBER INTERNET, TELEFAX UND ELEKTRONISCHE
NACHRICHTEN
PROCEDE DE COMMUNICATION PAR INTERNET, TELECOPIE ET COURRIER ELECTRONIQUE

Patent Assignee:

30. Matsushita Graphic Communication Systems, Inc.; (2412271)
3-8, Shimomeguro 2-chome, Meguro-ku; Tokyo 153-0064; (JP)
(Applicant designated States: all)

Inventor:

31. TOYODA, Kiyoshi
10-31 Kita 1-chome, Kunitachi-shi; Tokyo 186-0001; (JP)

Legal Representative:

32. Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)
Maximilianstrasse 58; 80538 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	996065	A1	20000426	(Basic)
	WO	9960484		19991125	
Application	EP	98950419		19981028	
	WO	98JP4870		19981028	
Priorities	JP	98133948		19980515	

Designated States:

DE; FR; GB;

International Patent Class (V7): G06F-013/00; H04N-001/00Abstract Word Count: 96

Type	Pub. Date	Kind	Text
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Publication: English

Procedural: English

Application: Japanese

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200017	722
SPEC A	(English)	200017	3543
Total Word Count (Document A) 4265			
Total Word Count (Document B) 0			
Total Word Count (All Documents) 4265			

Specification: ...With reference now to the flow chart shown in FIG.4, the operation of the Internet FAX during mail reception is explained below. In the present embodiment, the Internet FAX periodically accesses the mail server to check whether new E-mail has been received. When it detects newly received mail, the Internet FAX download the received E-mail data from the mail server and stores them in data...

12/3K/12 (Item 12 from file: 348) [Links](#)

Fulltext available through: [Order File History](#)

EUROPEAN PATENTS

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01099134

IMAGE COMMUNICATION DEVICE AND IMAGE COMMUNICATION METHOD

BILDKOMMUNIKATIONSVORRICHTUNG UND VERFAHREN

DISPOSITIF ET PROCEDE DE TRANSMISSION D'IMAGES

Patent Assignee:

33. Panasonic Communications Co., Ltd.; (4451320)

4-1-62, Minoshima, Hakata-ku Fukuoka-shi.; Fukuoka 812-8531; (JP)

(Proprietor designated states: all)

Inventor:

34. NISHIDA, Yasuo

2-42-2-3-321, Tenno-cho, Hodogaya-ku; Yokohama-shi, Kanagawa 240-0003; (JP)

35. IDA, Yoshihiro

151, Minamihirano; Iwatsuki-shi, Saitama 339-0051; (JP)

Legal Representative:

36. Grunecker, Kinkeldey, Stockmair & Schwanhauser Anwaltssozietat (100721)

Maximilianstrasse 58; 80538 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	987877	A1	20000322	(Basic)
	EP	987877	B1	20050928	
	WO	1999052270		19991014	
Application	EP	99910801		19990331	
	WO	99JP1716		19990331	
Priorities	JP	9892929		19980406	
	JP	9981406		19990325	

Designated States:

DE; FR; GB;

International Patent Class (V7): H04N-001/32Abstract Word Count: 143

NOTE: 3

NOTE: Figure number on first page: 3

Type	Pub. Date	Kind	Text
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Publication: English

Procedural: English

Application: Japanese

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200539	817
CLAIMS B	(German)	200539	673
CLAIMS B	(French)	200539	1007
SPEC B	(English)	200539	5496
Total Word Count (Document A) 0			
Total Word Count (Document B) 7993			

Total Word Count (All Documents) 7993

Specification: ...received by a mail server 4 provided over the Internet 3 via a local area network (LAN) 2. The mail server 4 saves the e-mail in a mail box 5 provided in a secondary storing apparatus 5. An IFAX 6 or a personal computer (PC) 7, serving as a receiver side terminal, makes an inquiry to the mail server 4. Then, if an incoming mail is presented in a self-mail box 5a, a...

12/3K/14 (Item 14 from file: 348) [Links](#)

Fulltext available through: [Order File History](#)

EUROPEAN PATENTS

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00856656

Communication apparatus connectable to information processing terminal such as personal computer

Übertragungsgerät, das an einem Informationsverarbeitungsendgerät wie Personalcomputer anschliessbar ist

Dispositif de communication qui est connectable a un terminal de traitement d'information tel qu'un ordinateur personnel

Patent Assignee:

37. CANON KABUSHIKI KAISHA; (542361)
30-2, 3-chome, Shimomaruko, Ohta-ku; Tokyo; (JP)
(Proprietor designated states: all)

Inventor:

38. Matsumoto, Naoyuki
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39. Ikegami, Itaru,
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40. Kondo, Masaya
Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome; Ohta-ku, Tokyo 146; (JP)

Legal Representative:

41. Leson, Thomas Johannes Alois, Dipl.-Ing. et al (78983)
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	Country	Number	Kind	Date	
Patent	EP	789479	A2	19970813	(Basic)
	EP	789479	A3	19990616	
	EP	789479	B1	20030618	
Application	EP	97102098		19970210	
Priorities	JP	9646949		19960209	
	JP	9736939		19970206	

Designated States:

DE; ES; FR; GB; IT;

Related Divisions: Patent (Application): (EP 2003013657)

International Patent Class (V7): H04N-001/00; H04N-001/32Abstract Word Count: 68

NOTE: 1

NOTE: Figure number on first page: 1

Type	Pub. Date	Kind	Text
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Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199708W2	724
SPEC A	(English)	199708W2	11292
CLAIMS B	(English)	200325	661
CLAIMS B	(German)	200325	536
CLAIMS B	(French)	200325	766
SPEC B	(English)	200325	11305
Total Word Count (Document A) 12019			
Total Word Count (Document B) 13268			
Total Word Count (All Documents) 25287			

Specification: ...parallel interface such as bidirectional Centronics interface (parallel interface in conformity with IEEE P1284).

The network adapter 118 is connected to LAN 119, and periodically inquires a FAX server (information processing terminal) on LAN as to remote operation request for transmission and printing so as to control data transmission/reception.

For remote operations of the facsimile apparatus, such as transmission, printing, and data registration, from the FAX server (information processing terminal) via the network adapter 118, predetermined commands, parameters, data, and the like are transmitted to the facsimile apparatus...

Specification: ...interface such as bi-directional Centronics interface (parallel interface in conformity with IEEE P1284).

The network adapter 118 is connected to LAN 119, and periodically inquires a FAX server (information processing terminal) on LAN as to remote operation request for transmission and printing so as to control data transmission/reception.

For remote operations of the facsimile apparatus, such as transmission, printing, and data registration, from the FAX server (information processing terminal) via the network adapter 118, predetermined commands, parameters, data, and the like are transmitted to the facsimile apparatus...

NPL

7/5/2 (Item 2 from file: 2) [Links](#)

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08039519

Title: What's the point of i-fax?

Journal: Business Info no.31 p. 36

Publisher: Solutions Business Publishing ,

Publication Date: July-Aug. 2001 Country of Publication: UK

ISSN: 1464-8814

SICI: 1464-8814(200107/08)31L:36:WP;1-3

Material Identity Number: H510-2001-002

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Although it has been available for several years, internet fax (i-fax), the ability to fax documents over the internet to e-mail addresses and other internet fax machines, has yet to make much of an impression on the public. Superficially i-fax sounds like a great idea: you can send handwritten documents over the internet to an e-mail address; you can send faxes over the internet to other internet fax machines for the cost of a local call; and you can receive e-mail messages on a fax. But then you start to think of the applications and your enthusiasm dries up. What exactly is i-fax good for? Ask the fax manufacturers for examples of how it is being used genuine customer stories are almost non-existent. Dial-up connections are necessary for companies that do not have a local area network (LAN) and are mainly, though not exclusively, found on low-end machines. Mail server-based options, inevitably, tend to be found on high end business-oriented machines. (0 Refs)

Subfile: D

Descriptors: facsimile equipment; Internet

Identifiers: internet fax; handwritten documents; e-mail

Class Codes: D4040 (Facsimile systems for office automation); D2080 (Information services and database systems in IT)

Copyright 2001, IEE

7/5/4 (Item 4 from file: 2) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

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06782939

Title: Internet fax 101-an introduction to the technology and issues

Author Phillips, D.

Journal: Managing Office Technology Magazine vol.42, no.11 p. 31-3

Publisher: Penton Publishing ,

Publication Date: Nov. 1997 Country of Publication: USA

CODEN: MOTEE3 ISSN: 1070-4051

SICI: 1070-4051(199711)42:11L:31:IT;1-U

Material Identity Number: E363-97011

U.S. Copyright Clearance Center Code: 1070-4051/97/\$1.25+.60

Language: English Document Type: Journal Paper (JP)

Treatment: General, Review (G)

Abstract: The transformation from fax to Internet-capable fax is accomplished in a variety of ways. Internet fax is the ability to bypass the Public Switched Telephone Network (PSTN) by diverting fax traffic over the Internet and thereby reduce fax costs-and those costs are significant. The Gallup/Pitney Bowes survey estimated that \$30 billion is spent annually in the U.S. on fax transmissions. These fax calls represent 37 percent of mid- to large-size companies' total phone bills. So whether the fax message is transported over the Internet or intranet, the bottom line is that it's virtually free...after paying monthly access charges. (Intranets, private corporate Internet Protocol (IP) networks, also piggyback fax for free provided there's sufficient capacity to handle the added traffic). (0 Refs)

Subfile: D

Descriptor s: business communication; facsimile; Internet; local area networks

Identifiers: Internet fax; fax traffic; fax cost reduction; fax transmissions; intranet; monthly access charges; private corporate Internet Protocol networks

Class Codes: D4040 (Facsimile); D5020 (Computer networks and intercomputer communications)

Copyright 1997, IEE

7/5/5 (Item 1 from file: 23) [Links](#)

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0010032956 IP Accession No: 200808-71-1101274; 200808-61-1201629; 20081061097; A08-99-1163987

System and method for facsimile cover page storage and use

Reifman, Jeffrey B; Delbene, Kurt D; Tobey, Chris E; Marceau, Renee
, USA

Publisher Url: <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=5438433.PN.&OS=PN/5438433&RS=PN/5438433>

Document Type: Patent

Record Type: Abstract

Language: English

File Segment: Metadex; Mechanical & Transportation Engineering Abstracts; ANTE: Abstracts in New Technologies and Engineering; Aerospace & High Technology

Abstract:

A user interface simplifies operation of a intelligent facsimile machine (IFAX). A display screen displays a plurality of menus and allows the user to select from the menus. The IFAX can store a plurality of digital cover pages to minimize transmission time for a facsimile cover page. The user may select from a list of stored digital cover pages. The user may also attach a binary data file to a facsimile message and transfer the data to another facsimile machine. The IFAX uses a storage location for storing outgoing facsimile messages. The IFAX periodically check the storage location to determine if more than one facsimile message is to be transmitted to the same location and transmits the facsimile messages in one facsimile telephone call. If the IFAX is coupled to a second IFAX on a network, the two IFAX machines can balance the work load by sending a load transfer request if the number of outgoing facsimile messages exceeds a predetermined threshold level. The IFAX can also route incoming facsimile messages to a variety of destinations such as a floppy disk or other storage device, or an external computer. The IFAX can also relay incoming facsimile messages to another facsimile machine, using a set or relay instructions. The relay instructions may be stored in the IFAX or may be a portion of the incoming facsimile message. The relay instructions may be nested, and the IFAX sends the facsimile message to a second IFAX with instructions for the second IFAX to relay the facsimile message to a third facsimile machine. The IFAX contains security measures to prevent unauthorized relaying.

Descriptors: Messages; Relay; Menus; Relaying; Telephone calls; Unauthorized; Computer information security; Routing (telecommunications); Disks; Stress transfer; User interfaces; Networks; Thresholds; Screens; Binary data; Computer networks; Storage
Subj Catg: 71, General and Nonclassified; 61, Design Principles; 99, General

7/5/6 (Item 2 from file: 23) [Links](#)

CSA TECHNOLOGY RESEARCH DATABASE

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0008753529 IP Accession No: 200803-71-246629; 200803-61-247027; 2008236242; A08-99-240600

Server apparatus and internet facsimile apparatus and communication terminal capability exchanging method

Ida, Yoshihiro; Bando, Tatsuo
, USA

Publisher Url: [http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=73 27480.PN.&OS=pn/7327480&RS=PN/7327480](http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=73%207480.PN.&OS=pn/7327480&RS=PN/7327480)

Document Type: Patent

Record Type: Abstract

Language: English

File Segment: Metadex; Mechanical & Transportation Engineering Abstracts; ANTE: Abstracts in New Technologies and Engineering; Aerospace & High Technology

Abstract:

In a server apparatus, a registration processing section analyzes a capability information transmission mail received by an E-mail communication section, and extracts capability information. Next, a sender's address and capability information are made to correspond to each other so to be stored in a capability information table. When a normal E-mail is received, designation capability information, which has been made to correspond to the recipient address, is obtained from the capability information table, and an image file which is attached to the received E-mail is converted to an image file to be suitable for designation capability information. This makes it possible to control a load applied onto internet facsimile apparatuses and to exchange capability between the internet facsimile apparatuses.

Descriptors: Internet; Images; Email; Electronic mail; Tables (data); Servers; Terminals ; Exchanging; Mail

Subj Catg: 71, General and Nonclassified; 61, Design Principles; 99, General